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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

JUL 27 1999

TC 2800 MAIL ROOM

INFORMATION DISCLOSURE STATEMENT

Docket Number: 10020/11901	

Application Number	Filing Date	Examiner	Art Unit
09/136,342	August 19, 1998		2875

Invention Title
ORGANIC PHOTOSENSITIVE OPTOELECTRONIC DEVICES WITH TRANSPARENT ELECTRODES

Inventor(s)
FORREST et al.

Address to:
Assistant Commissioner for Patents
Washington D.C. 20231

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on

Date: 11/19/98 Reg. No.43,277

Signature: George O. Winborne

George O. Winborne

1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicant hereby bring the attached references to the attention of the Examiner. These references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

2. It is believed that no fees are due in connection with this Information Disclosure Statement. However, should any fees be due, the Commissioner is authorized to charge Deposit Account No. 11-0600 for such fees. A duplicate copy of this communication is enclosed for charging purposes.

3. We wish to bring the following related applications to the Examiner's attention:

USSN 136,166 filed	August 19, 1998
USSN 136,377 filed	August 19, 1998
USSN 136,165 filed	August 19, 1998
USSN 136,164 filed	August 19, 1998
USSN 976,666 filed	November 24, 1997
USSN 977,205 filed	November 24, 1997
USSN 054,707 filed	November 05, 1997
USSN 964,863 filed	November 05, 1997

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The applications are listed on the attached PTO 1449 but are not enclosed. A copy of the remaining patents, publications or other information listed on modified PTO form 1449 is enclosed.

Dated: 11/19/98

By: George O. Winborne

George O. Winborne (Reg. No. 43,277)

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41472-1

Modified Form PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 10020/11901	APPLICATION NO. 09/136,342
	APPLICANT FORREST et al.	
	FILING DATE 08/19/1998	GROUP ART UNIT 2875

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE*
	4,125,414	Nov. 14, 1978	Tang et al.			Mar. 13, 1978
	4,164,431	Aug. 14, 1979	Tang			May 18, 1978
	4,255,211	Dec. 31, 1979	Fraas			Dec. 31, 1979
	5,315,129	May 24, 1994	Forrest et al.			May 1, 1991
	5,457,565	Oct. 10, 1995	Namiki et al.			Nov. 18, 1993
	5,703,436	Dec. 30, 1997	Forrest et al.			Mar. 6, 1996
	5,714,838	Feb. 3, 1998	Haight et al.			Sep. 20, 1996

* - If appropriate

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

* - Abstract

32845-1

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OTHER DOCUMENTS

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		FORREST et al., U.S. Patent Appln. Serial No.136,166, "Organic Photosensitive Optoelectronic Devices With A Top Transparent Electrode", filed August 19, 1998
		FORREST et al., U.S. Patent Appln. Serial No.136,377, "Stacked Organic Photosensitive Optoelectronic Devices With An Electrically Series Configuration", filed August 19, 1998
		FORREST et al., U.S. Patent Appln. Serial No.136,165, "Stacked Organic Photosensitive Optoelectronic Devices With An Electrically Parallel Configuration", filed August 19, 1998
		FORREST et al., U.S. Patent Appln. Serial No.136,164, "Organic Photosensitive Optoelectronic Devices With A Mixed Electrical Configuration", filed August 19, 1998
		FORREST et al., U.S. Patent Appln. Serial No. 976,666, "Method for Deposition and Patterning of Organic Thin Film", filed Nov. 24, 1997
		FORREST et al., U.S. Patent Appln. Serial No. 977,205, "Method of Fabricating and Patterning OLEDs", filed Nov. 24, 1997
		PARTHASARATHY et al., U.S. Patent Appln. Serial No. 054,707, "Highly Transparent Non-Metallic Cathodes", filed Apr. 3, 1998
		PARTHASARATHY et al., U.S. Patent Appln. Serial No. 08/964,863, "A Highly Transparent Organic Light Emitting Device Employing a Non-metallic Cathode," filed Nov. 5, 1997.
		M. HIRAMOTO et al., "Effect of Thin Gold Interstitial-layer on the Photovoltaic Properties of Tandem Organic Solar Cell", Chemistry Letters, pp. 327-330 (1990).
		N. KARL et al, "Efficient Organic Photovoltaic Cells. The Role of Excitonic Light Collection, Exciton Diffusion to Interfaces, Internal Fields for Charge Separation, and High Charge Carrier Mobilities", Mol. Cryst. Liq. Cryst., Vol. 252, pp. 243-258 (1994).
		O. JORGENSEN et al., "Polymers for Solar-Energy Devices", American Chemical Society. Desk Reference of Functional Polymers. Syntheses and Applications. Chapter 4.2, pp. 567-588 (1997)
		J. KANICKI, "Polymeric Semiconductor Contacts and Photovoltaic Applications, Handbook of Conducting Polymers, Vol. 1. Chapter 17, pp. 544-660 (1986).
		C. ARBOUR et al., "Surface Chemistries And Photoelectrochemistries Of Thin Molecular Semiconductor Materials", Mol. Cryst. Liq. Cryst., Vol. 183, pp. 307-320 (1990).
		J.B. WHITLOCK et al., "Investigations of Materials and Device Structures for Organic Semiconductor Solar Cells", Optical Engineering, Vol. 32, No. 8, pp. 1921-1934 (Aug. 1993).
		S.R. FORREST et al., "Optical And Electrical Properties of Isotype Crystalline Molecular Organic Heterojunctions", J. Appl. Phys. Vol. 66, No. 12, pp. 5908-5914 (Dec. 1989).
		G. YU, et al., "Photovoltaic Cells Made With Organic Composites", Proceedeings of the FutureGeneration Photovoltaic Technologies: First NREL Conference, March 1997, American Inst. of Physics, pp. 317-324.
		V. BULOVIC et al., "Photovoltaic Cells Based on Vacuum Deposited Molecular Organic Thin Films", Proceedings of the FutureGeneration Photovoltaic Technologies: First NREL Conference, March 1997, American Inst. of Physics, pp. 235-242.
		National Renewal Energy Laboratory, "Research Opportunities in Photochemical Sciences - Workshop Proceedings - Panel A-1 "Photo Electrochemical and Organic-Based Solar Cells" pp. 142-185, Estes Park, CO. Feb. 5-8, 1996. NREL/CP-450-21097, DE96007867.
		G. YU et al., "Semiconducting Polymers as Materials for Device Applications", 23rd Int'l Conf. On The Physics of Semiconductors, Vol. 1, pp. 35-42, World Scientific, Berlin, Germany, Jul. 21-26, 1996.

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Uni-Solar® Energy Generation, http://ovonic.com/engentek.html (Jan. 26, 1998).
		S.R. FORREST, "Very High Efficiency Photovoltaic Cells Based on Fully Organic Multiple Quantum Wells", National Renewable Energy Lab, Quarterly Technical Progress Report, 15 Feb. 1995 - 15 May 1995, (Mar. 1997) NREL/SR-520-21882, DE97000063.
		S.R. FORREST, "Ultrathin Organic Films by Organic Molecular Beam Deposition and Related Techniques," Chemical Reviews, American Chemical Society, Vol. 97, No. 6, pp. 1793-1896, September/October 1997.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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FACSIMILE COVER LETTER

FAX NO	:	703-308-7722
TO	:	**Shirley Royall** **U.S. Patent and Trademark Office**
FROM	:	Tracy L. Anderson
DATE	:	May 21, 1999
RE	:	**10020/11901 - U.S. Serial No. 09/136,342**

NUMBER OF PAGES INCLUDING COVER : 8

Ms. Royall:

Further to our telephone conversation of Thursday, May 20, 1999, attached please find a copy of the Petition to Make Special Under 37 CFR 1.102 which was filed in the above referenced application on November 19, 1998 together with an Information Disclosure Statement. A copy of the postcard date stamped November 23, 1998 which was received from the Patent Office is also enclosed.

Please make sure that these papers get placed in the corresponding file so that a Decision can be made on the pending Petition.

Thank you for your assistance. If you have any questions, please feel free to contact me at 212-908-6467.

Tracy L. Anderson

87710

Case No. 10020/11901 Atty. GOW

Ser. No. 09/136,342 Due Date

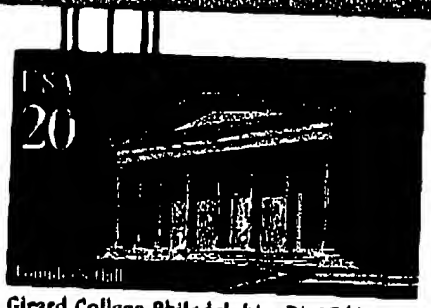
The Impressed Mail Room date stamp acknowledges receipt of the date indicated of: PRINCETON UNIVERSITY

☐ Application	☐ Extension Request
☐ Amendment	☐ Priority Document
☐ Assignment	☐ Issue Fee
☐ Notice of Appeal	☐ Declaration
☒ Prior Art Statement	☐ Small Entity
☐ Appeal Brief	☒ DEP. ACCT. 11-0600

PETITION TO MAKE SPECIAL UNDER 37 CFR 1.102

11/19/98

OIPE TC 2800 MAIL ROOM JUL 26 1999



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